Asparagine--Trna Ligase (asnS) Streptococcus Pyogenes Serotype M6 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Asparagine--tRNA ligase (asnS), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M6 Asparagine--tRNA ligase (asnS)
Product Gene Name	asnS recombinant protein
Product Synonym Gene Name	asnS
Sequence	MSKKLISIVN VKDYVGQEVT IGAWVANKSG KGKIAFVQLR DGSAFFQGVA FKPNFIEKYG EESGLEKFDV IKRLNQETSV YVTGIVKEDE RSKFGYELDI TDLEIIGESH EYPVTPKEHG TDFLMDNRHL WLRSRKQMAV MQIRNAIIYA TYEFFDQNGF IKFDSPILSE NAAEDSTELF ETDYFGKPAF LSQSGQLYLE AGAMALGRVF DFGPVFRAEK SKTRRHLTEF WMMDAEYSFL SHEESLDLQE AYVKALIQGV LDRAPQALDI LERDVEALKR YITEPFKRVS YDDAITLLQE HEADEDTDYE HLEHGDDFGS PHETWISNYF GVPTFVVNYP ASFKAFYMKP VPGNPERVLC ADLLAPEGYG EIIGGSMRED NYDALVAKMD ELGMDKSEYD FYLDLRKYGS VPHGGFGIGI ERMVTFVAGT KHIREAIPFP RMLHRIRP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	51,193 Da
Sequence Positions	1-448, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5XD20
Species	Streptococcus pyogenes serotype M6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for asnS recombinant protein	MBS1421904 is a recombinant protein targeting asnS. Also known as Recombinant Streptococcus pyogenes serotype M6 Asparagine--tRNA ligase (asnS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of asnS recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for asnS. It may not necessarily be applicable to this product.

NCBI GI #	499497707
NCBI Accession #	WP_011184347.1
UniProt Primary Accession #	Q5XD20

GenBank Nucleotide #	WP_011184347.1
NCBI Official Full Name	asparagine--tRNA ligase
UniProt Protein Name	Asparagine--tRNA ligase
UniProt Synonym Protein Names	Asparaginyl-tRNA synthetase
Protein Family	Asparagine--tRNA ligase
UniProt Gene Name	asnS
UniProt Synonym Gene Names	AsnRS
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